

FIG. 1A

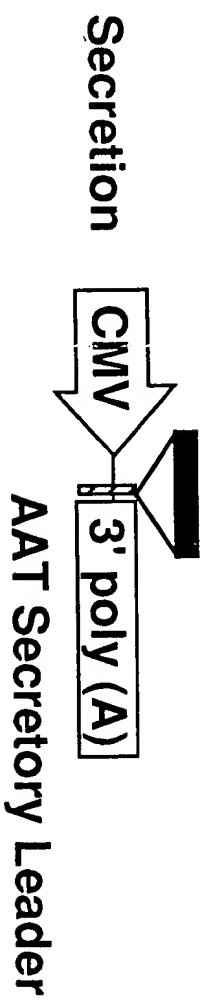
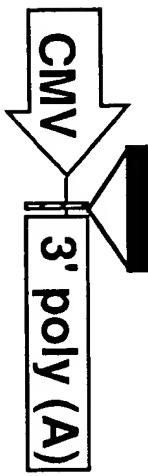


FIG. 1B

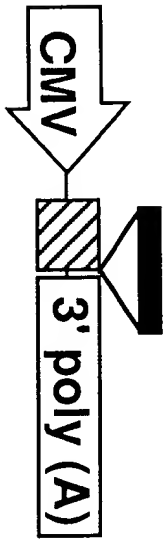
Cytoplasmic



Kozak ATG

FIG. 1C

Proteasome



Mono or Poly-ubiquitin

FIG. 1D

FIG. 1C and FIG. 1D are schematic diagrams of the constructs. The constructs are designed to express a protein with a cytoplasmic domain and a proteasome-targeting domain. The cytoplasmic domain is fused to a 3' poly (A) tail. The proteasome-targeting domain is fused to a 3' poly (A) tail. The constructs are designed to express a protein with a cytoplasmic domain and a proteasome-targeting domain. The cytoplasmic domain is fused to a 3' poly (A) tail. The proteasome-targeting domain is fused to a 3' poly (A) tail.

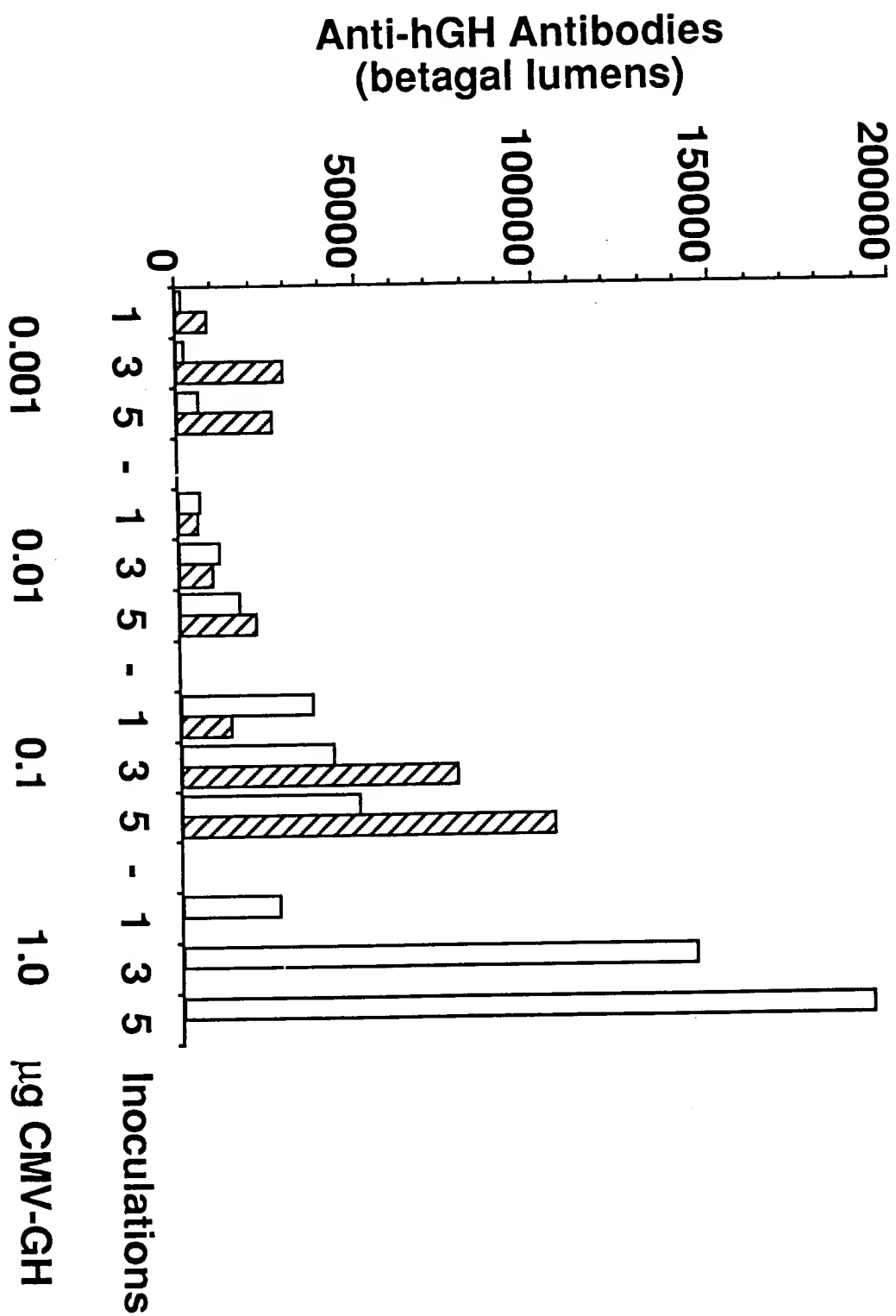


FIG. 2

FIG. 2 is a bar chart showing the results of the experiment. The Y-axis represents the Anti-hGH Antibodies (betagal lumens) and the X-axis represents the Inoculations (1, 3, 5). The chart shows that the antibody levels increase with increasing inoculation number and increasing concentration of CMV-GH. The highest antibody levels are observed at 1.0 µg CMV-GH and 5 inoculations, reaching approximately 180,000 betagal lumens.

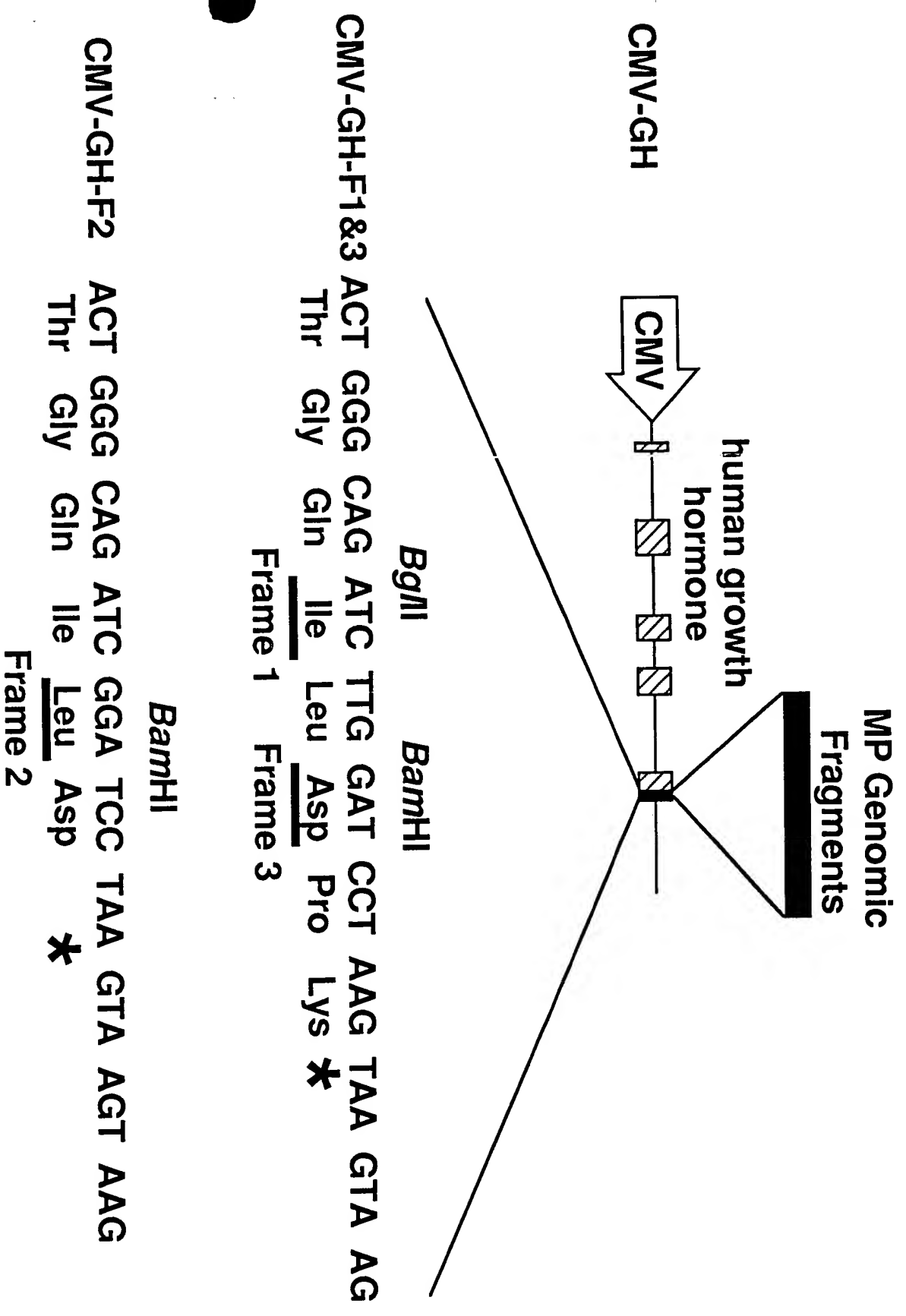


FIG. 3

FIG. 3 is a schematic diagram of a gene construct and its protein products. The construct is CMV-GH, featuring a CMV promoter, a human growth hormone gene, and a polyA signal. The gene is flanked by BglII and BamHI sites. The protein products are shown in three frames: Frame 1 (Thr Gly Gln Ile Leu Asp Pro Lys), Frame 2 (Thr Gly Gln Ile Leu Asp), and Frame 3 (Thr Gly Gln Ile Leu Asp).

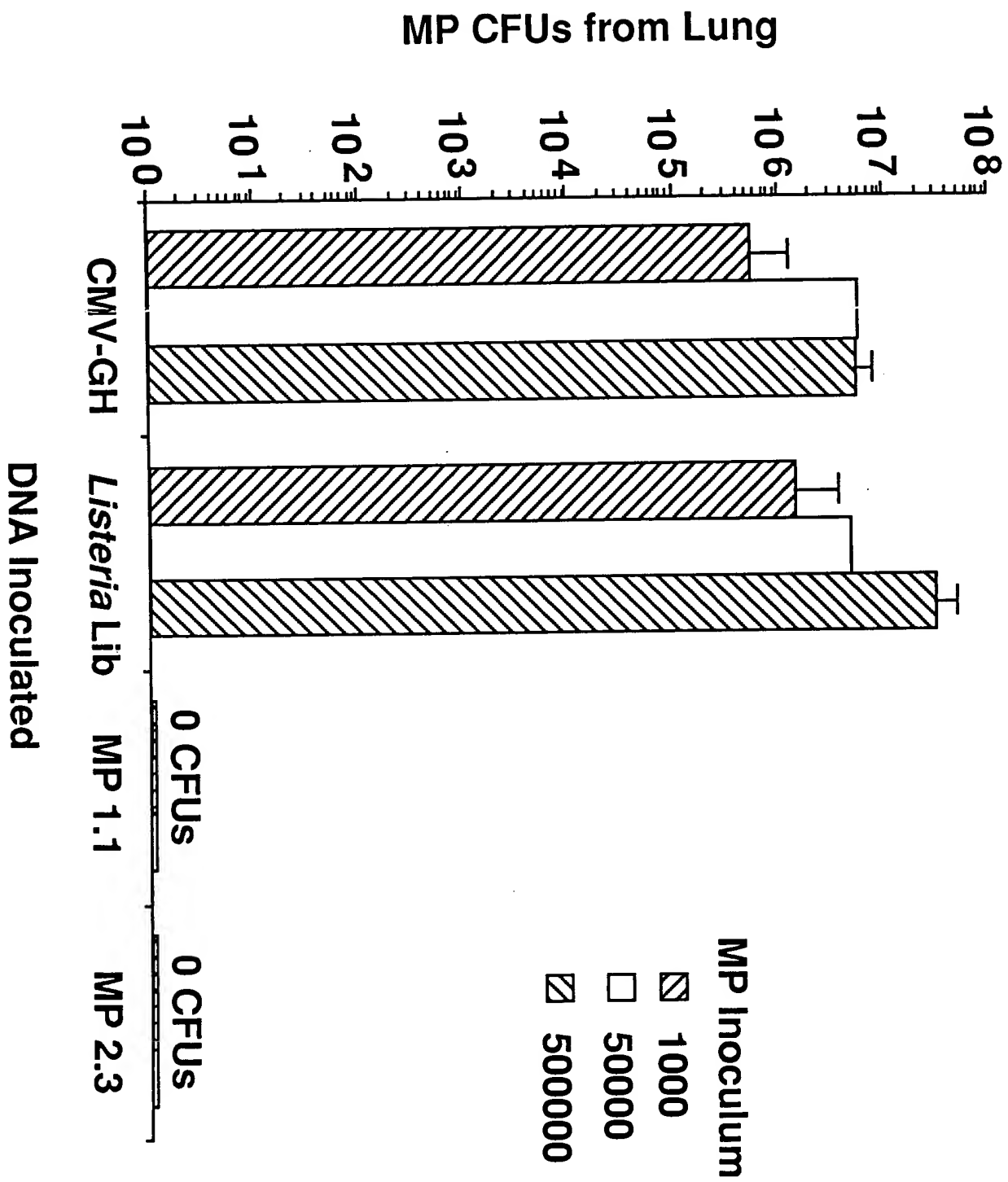


FIG. 4A

Figure 4A is a bar chart showing the number of MP CFUs from Lung for different DNA inoculated and MP inoculum concentrations. The y-axis represents MP CFUs from Lung on a logarithmic scale from 10^0 to 10^8 . The x-axis shows DNA Inoculated (CMV-GH, *Listeria* Lib, MP 1.1, MP 2.3) and MP Inoculum (1000, 50000, 500000). The legend indicates that hatched bars represent 1000, white bars represent 50000, and diagonal lines represent 500000. Error bars are shown for all data points.

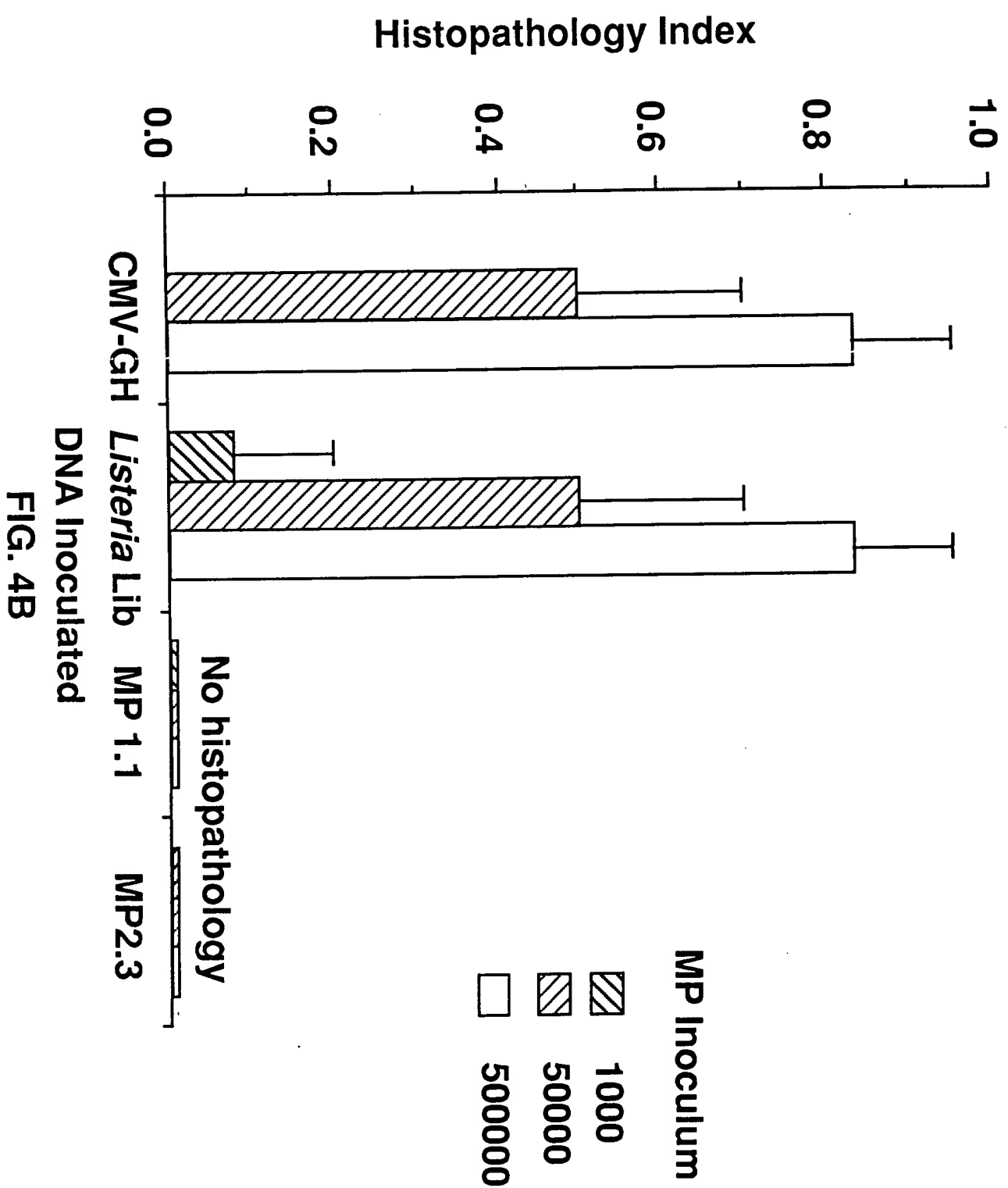


FIG. 4B

Figure 4B shows the histopathology index for CMV-GH and *Listeria Lib* DNA inoculated groups across three MP inoculum levels (1000, 50000, 500000). The chart indicates that histopathology is present in the inoculated groups but absent in the control groups (MP 1.1 and MP2.3).

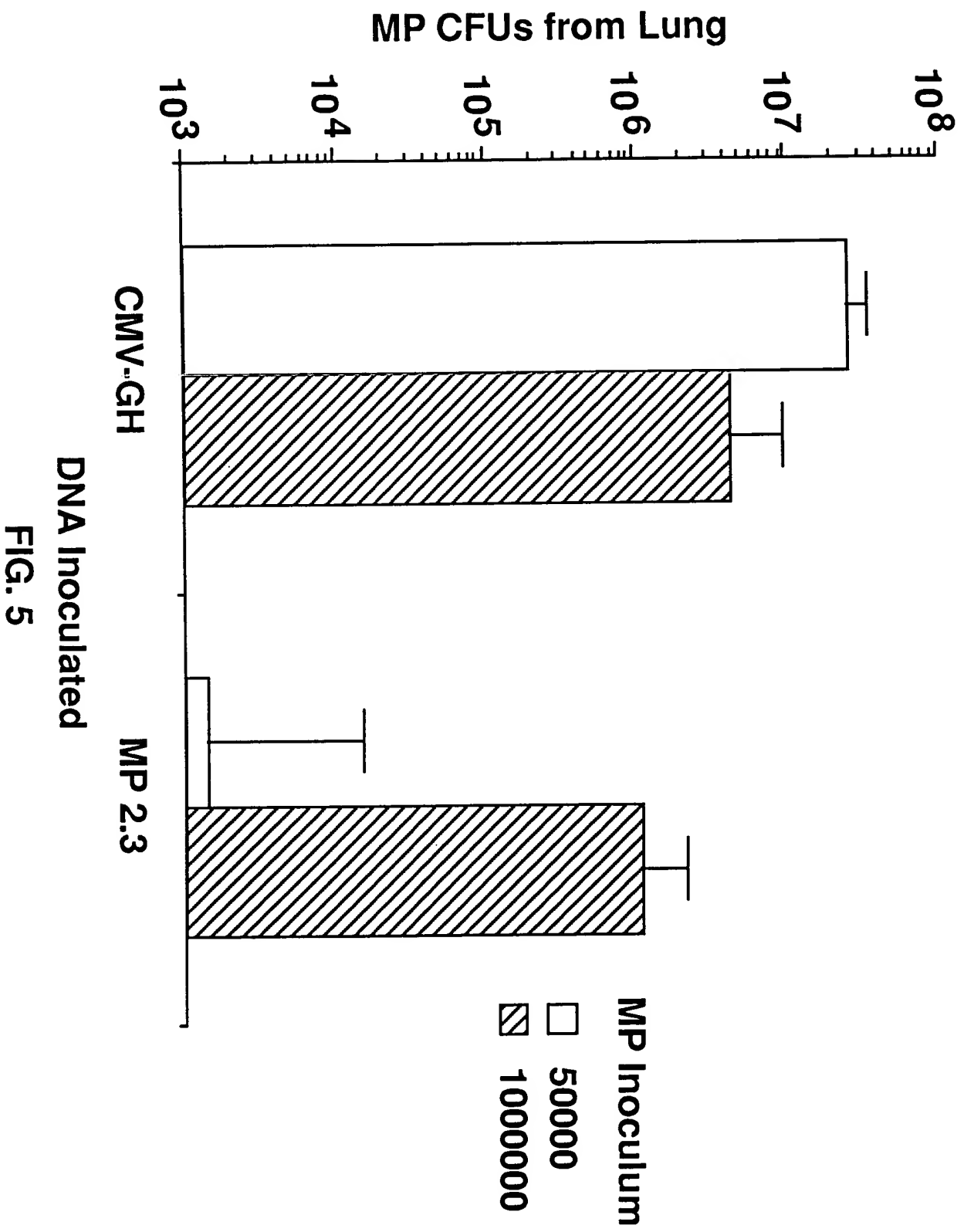


FIG. 5

MP CFUs from Lung

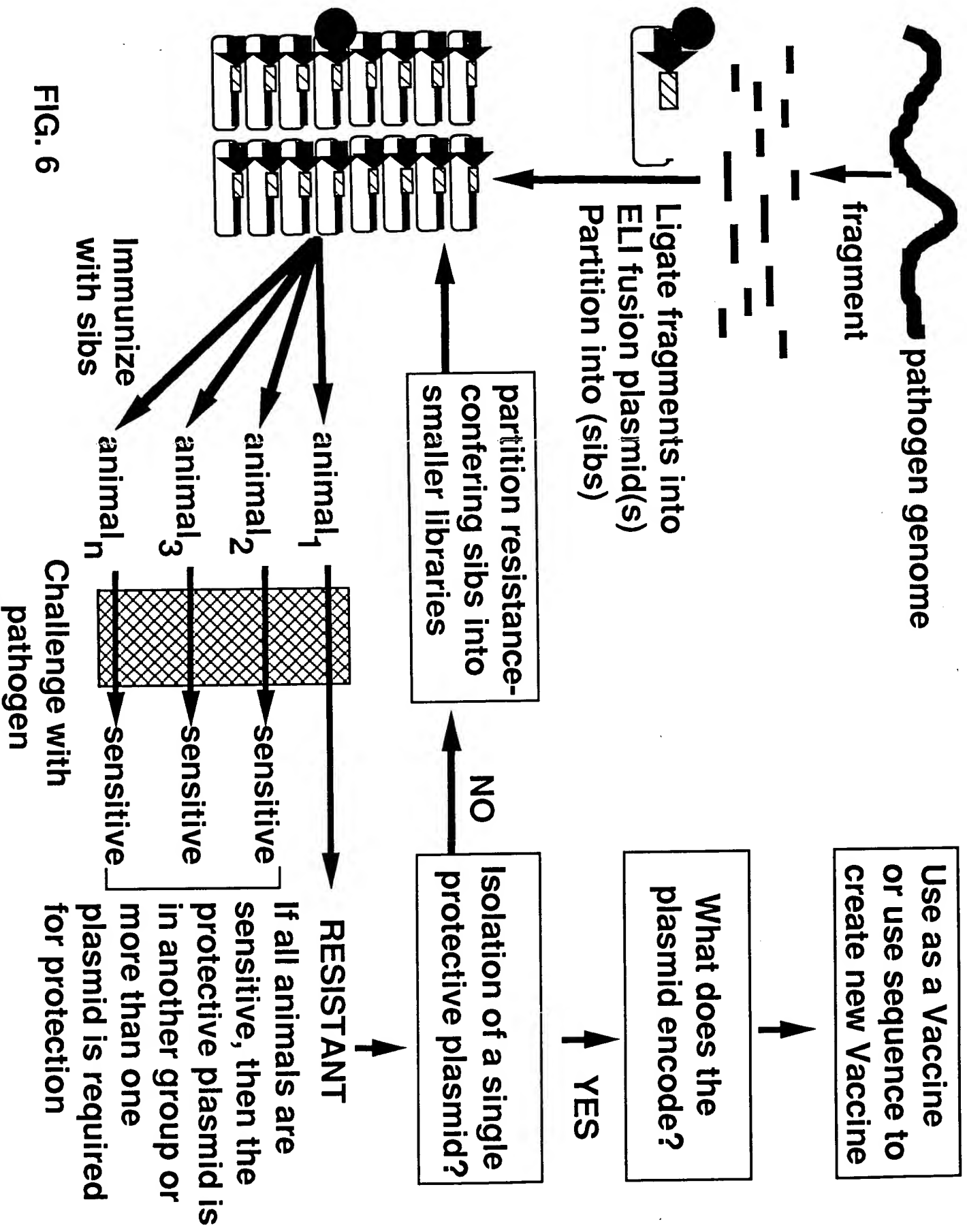


FIG. 6

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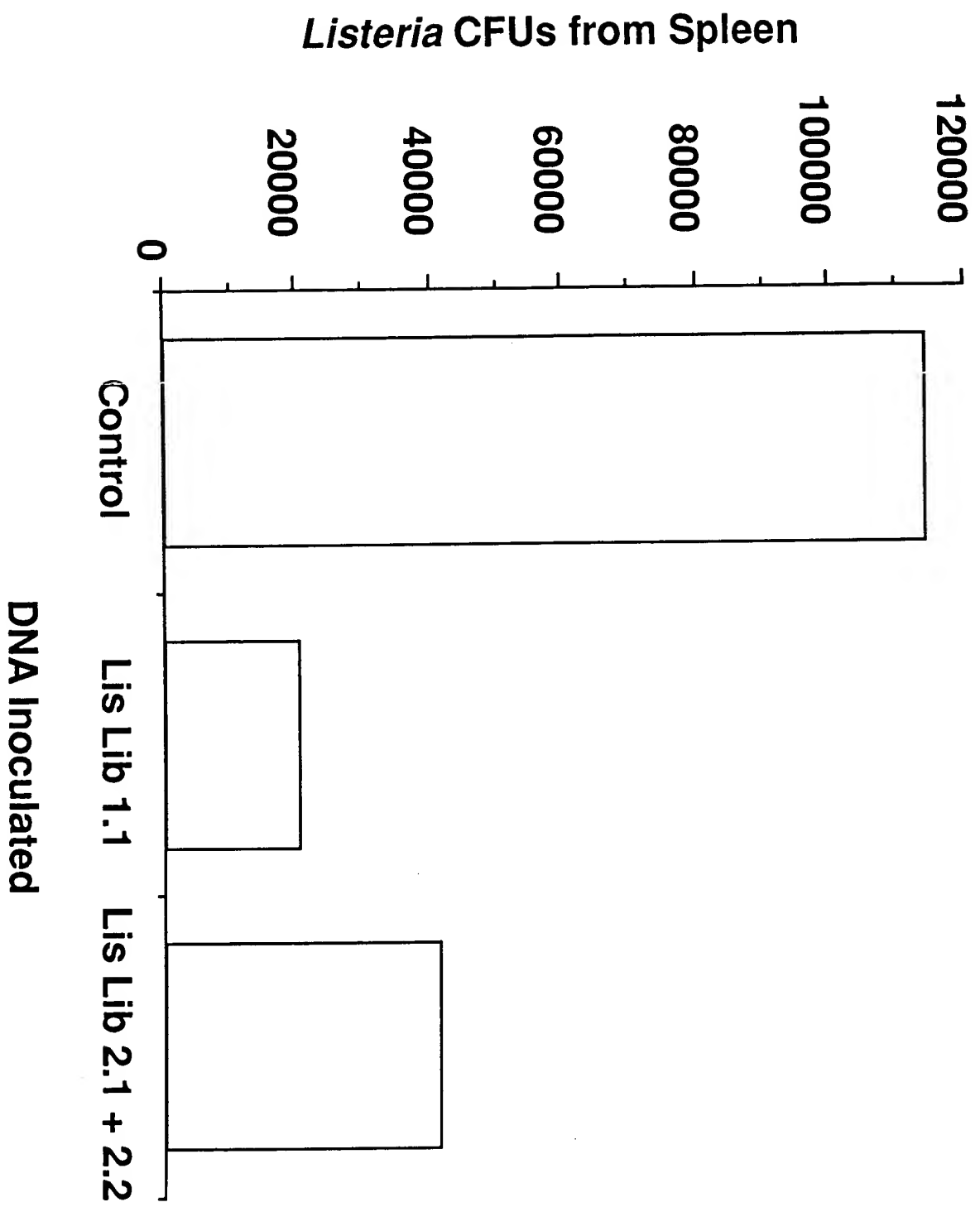


FIG. 7

Figure 7 is a bar chart showing the number of *Listeria* CFUs from the spleen for three different DNA inoculation conditions: Control, Lis Lib 1.1, and Lis Lib 2.1 + 2.2. The y-axis represents the number of CFUs, ranging from 0 to 120,000. The Control group shows the highest number of CFUs, approximately 115,000. The Lis Lib 1.1 group shows a significantly lower number of CFUs, approximately 25,000. The Lis Lib 2.1 + 2.2 group shows a number of CFUs approximately 55,000.

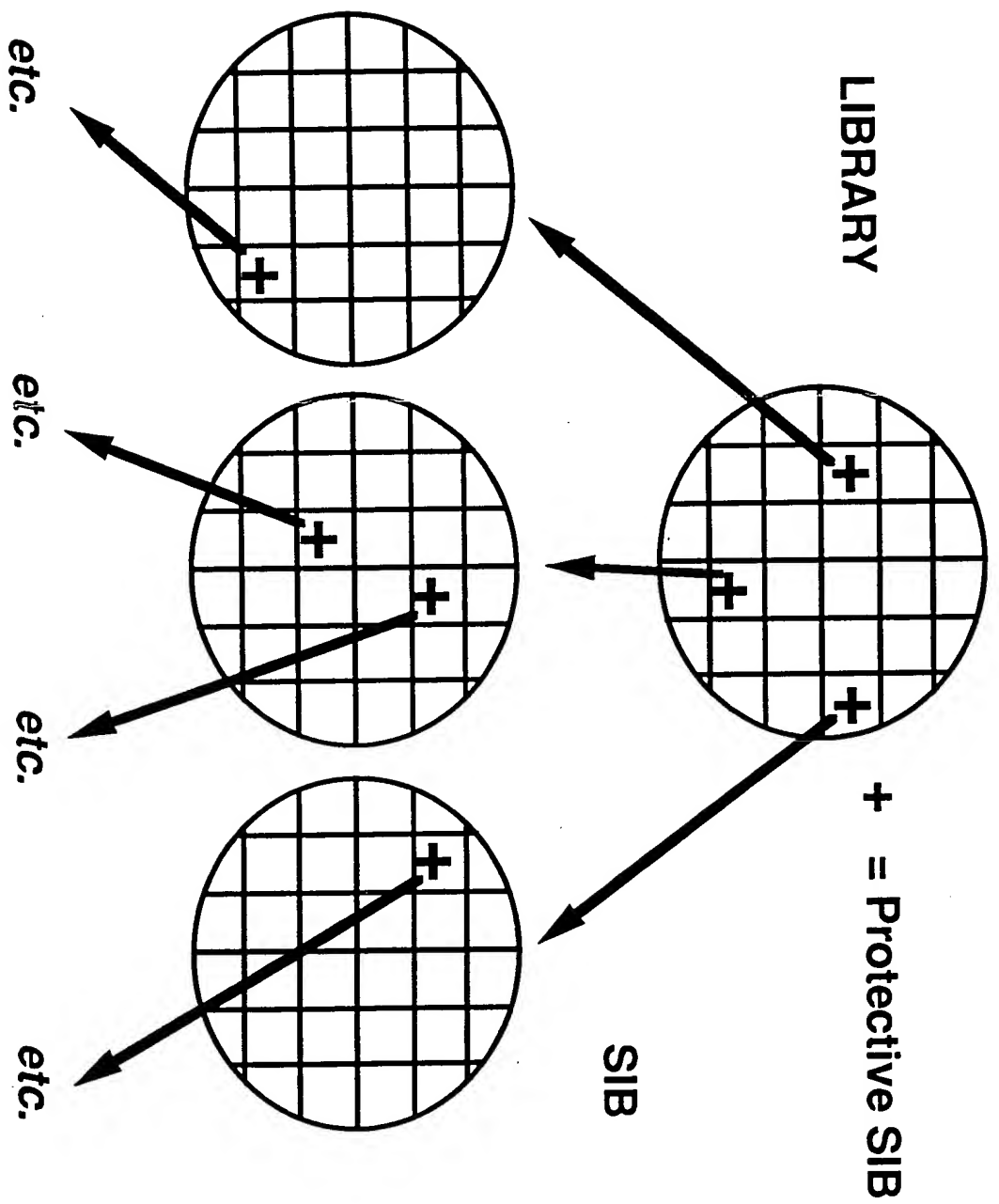


FIG. 8

FIG. 8 is a schematic diagram of a library of SIBs. The library is represented by a circle containing three '+' signs. Arrows point from these '+' signs to three separate circles below, each labeled 'etc.'. A legend indicates '+ = Protective SIB'.

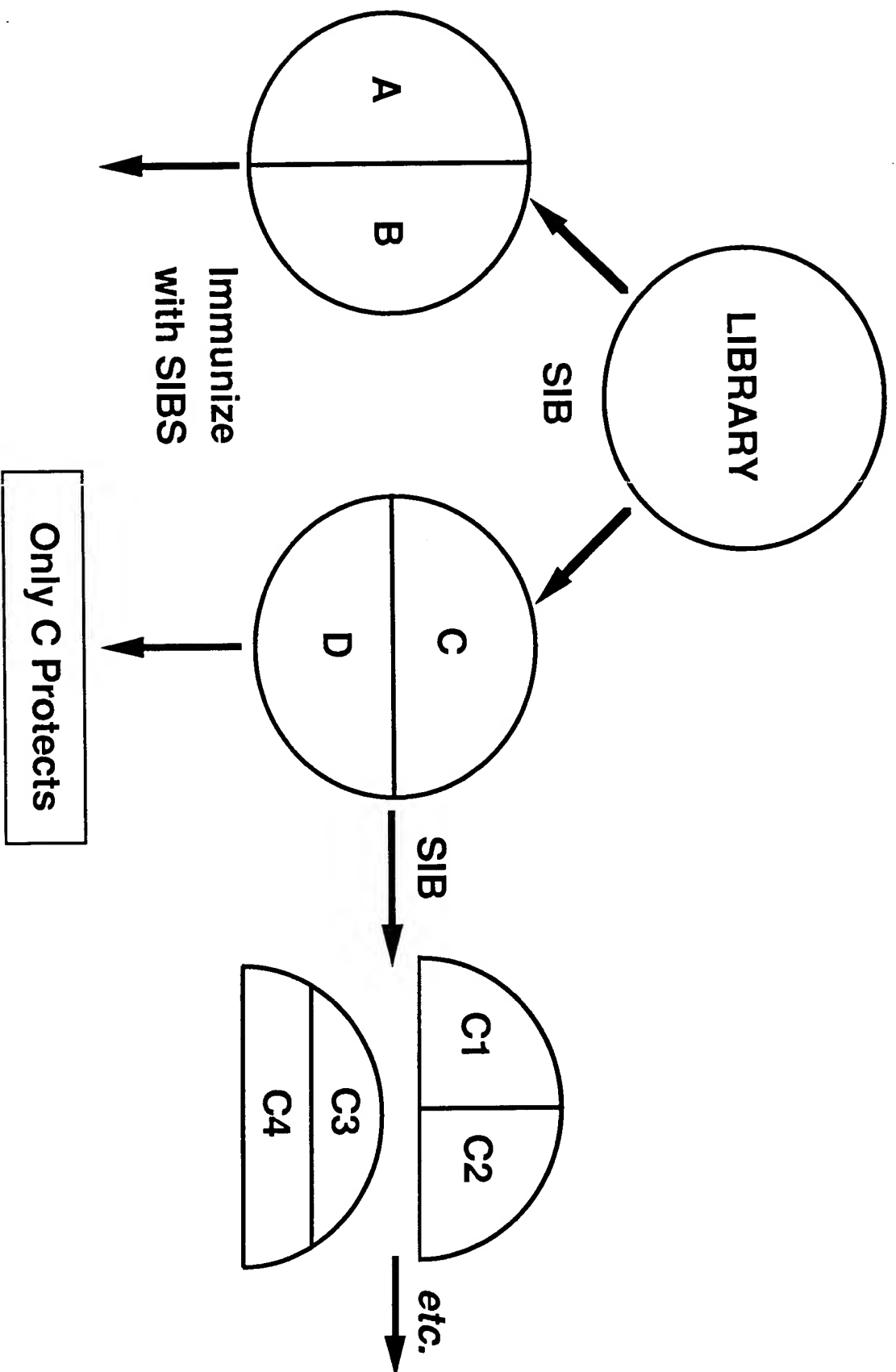


FIG. 9

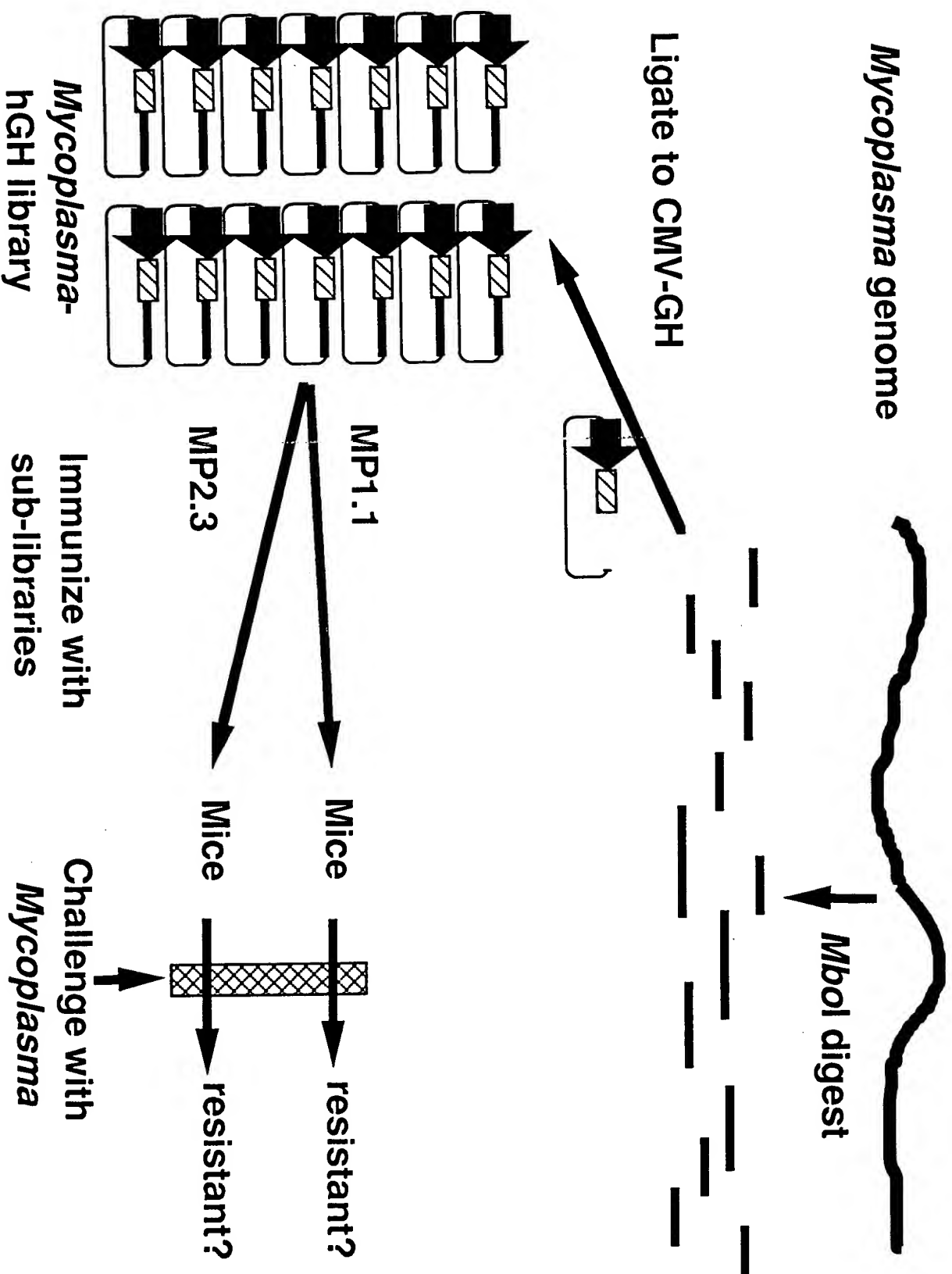


FIG. 10